

AMENDMENTS TO THE SPECIFICATION:

Kindly replace the Paragraph Beginning at Page 1, Line 2 with the following:

This application is a continuation of U.S. Application No. 09/850,061, filed on May 8, 2001, which is a divisional of U.S. Application No. 09/095,106, filed on June 10, 1998 which is a continuation of International Application No. PCT/SE96/01621, filed December 9, 1996, which International Application was published by the International Bureau in English on June 19, 1997, that designates the United States and which claims benefit of Swedish Application No. 9504467-3, filed December 12, 1995, and U.S. Provisional Application No. 60/009,386, filed December 29, 1995, which are herein incorporated by reference.

In compliance with 37 C.F.R. § 1.823(a), please insert the attached paper copy of the "Sequence Listing" (pages 1-8), after the last page of the above-identified application (page 22).

Kindly replace the Paragraph Beginning at Page 3, Line 32 with the following:

According to the invention, it has now been found that the Lys-Leu-Val-Phe-Phe (KLVFF) sequence [SEQ ID NO.: 1] in A β is necessary for polymerization to occur. Peptides incorporating this sequence bind to A β and are capable of blocking the fibril formation of A β -1-40 and are therefore potentially useful as drugs.

Kindly replace the Paragraph Beginning at Page 9, Line 18 with the following:

Fig. 2B. [SEQ ID NOS.: 1, 2 and 5-38] EVHHQKLVFF and N and C-terminal truncated fragments were synthesized and analyzed for affinity to ¹²⁵I-labeled A β -1-40.

Kindly replace the Paragraph Beginning at Page 9, Line 21 with the following:

Fig. 2C. [SEQ ID NOS.: 39-43] Each amino acid residue in KLVFF was systematically replaced with Ala and analyzed for affinity to ¹²⁵I-labeled A β -1-40.

Kindly replace the Paragraph Beginning at Page 9, Line 24 with the following:

Fig. 2D. [SEQ ID NO.: 44] Sensorgram from surface plasmon resonance spectroscopy (BIAcore 2000).

Kindly replace the Paragraph Beginning at Page 12, Line 5 with the following:

To investigate if the KLXXF [SEQ ID NO.: 3] motif was required for A β polymerization, we synthesized A β -1-28, a well-studied A β fragment that readily forms amyloid fibrils (D.A. Kirschner, *et al.*, *Proc. Natl. Acad. Sci. USA* 84, 6953-6957 (1987); C.J. Barrow, M.G. Zagorski, *Science* 253, 179-82 (1997); C. Nordstedt, *et al.*, *J. Biol. Chem.* 269, 30773-30776 (1994))) and mutated A β -1-28 where the KLVFF sequence was substituted with AAVFA [SEQ ID NO. 4] (A β -1-28^{AAVFA}).